May 6, 1947. J. W. PAXTON ET AL 2,420,011

FILING CABINET WITH TILTABLE COMPARTMENT

Filed Oct. 2, 1944

Fig. 1

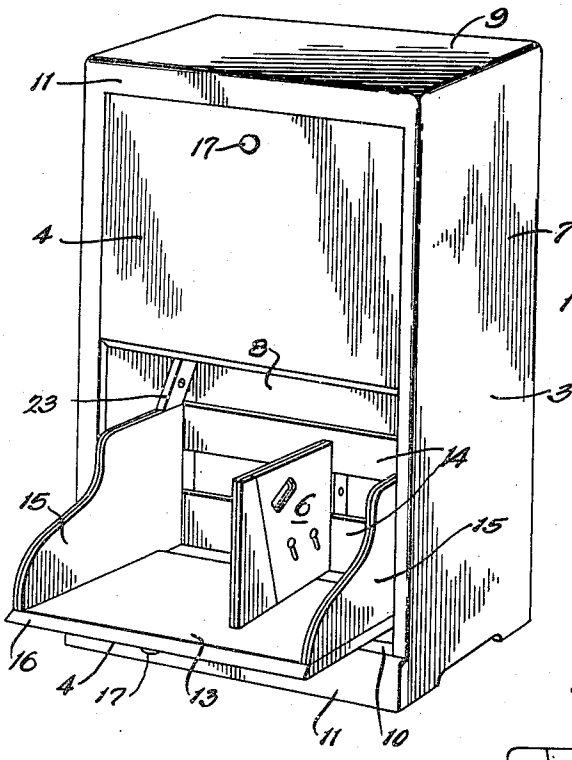
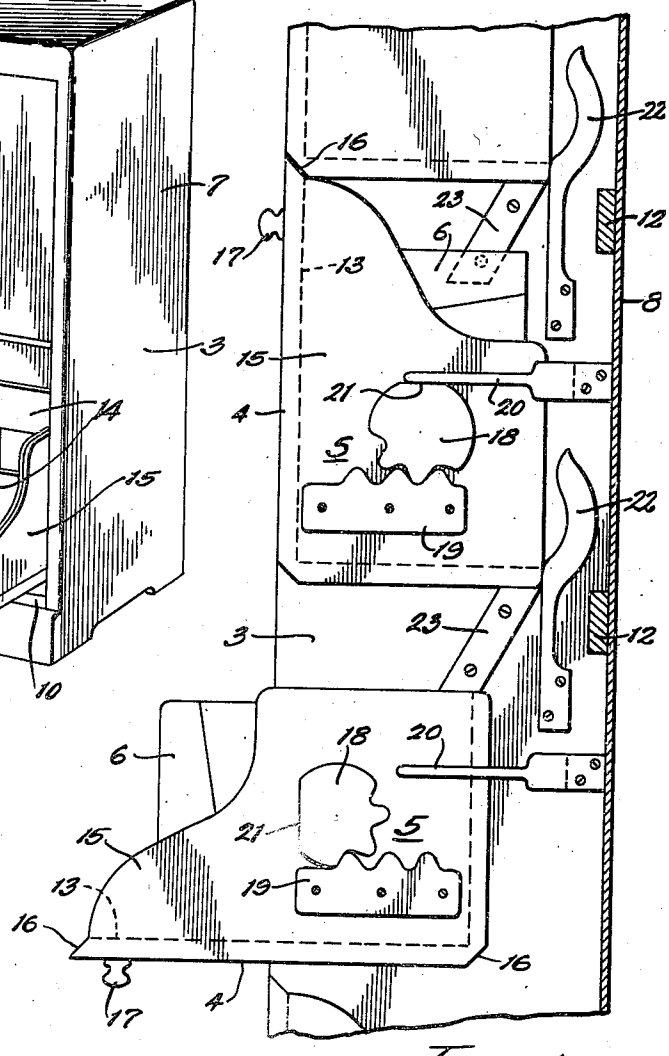



Fig. 2




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## FILING CABINET WITH TILTABLE COMPARTMENT

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1 Claim. (Cl. 45—2)

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This invention relates to filing cabinets of the type commonly known as "side filing" cabinets.

The main objects of this invention are to provide improved means for tiltably mounting the container in the open side of a casing for swinging between closed and open positions; to provide such an improved container-mounting means as will retain the container firmly in either its closed or open position; to provide an improved container-mounting means of this kind which shifts the container forwardly and rearwardly horizontally of the casing as the container is swung to and from its open position; to provide an improved container-mounting means embodying all these advantages and which permits the container to be readily inserted into or removed from the cabinet; and to provide an improved structure for side-filing cabinets which is simple and economical in construction, easy and positive in operation, and which may be constructed of either wood or metal, or their appropriate substitutes.

In the particular embodiment of the invention herein shown:

Fig. 1 is a perspective view of a two drawer filing cabinet, the lower container being shown in its open position, the upper container in its closed position;

Fig. 2 is a transverse sectional view showing in full lines the two middle containers of a multiple container tier, one of the middle containers being shown in its closed position and the other in its open position.

The filing cabinet embodying the essential features of this invention comprises a casing 3 in which are tiltably mounted, one or more containers 4 supported therein by means of a mounting mechanism 5 whereby the container may be conveniently swung or tilted forwardly and rearwardly between its opened and closed positions. Each of the containers is equipped with a follower 6 whereby the contents are held in proper vertical position regardless of the quantity of material in the container or the position of the container.

The casing may be constructed of wood or metal, or any of their appropriate substitutes. It comprises the usual sides 7, back 8, top 9, and bottom 10. The front of the casing is provided with top and bottom re-enforcing cross slats 11. The back 8 is re-enforced by strips 12 placed at strategic points.

The container 4 is made up of a front-bottom part 13 and a bottom-back part 14, and end or side members 15.

The front-bottom part 13 has its upper and

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lower edges bevelled at 16 so that in the closed positions of the containers the fronts are flush as shown in Fig. 2. Knobs or handles 17 are arranged on the front-bottom parts 13 to facilitate swinging the containers.

The bottom-back section 14 is preferably formed of two pieces spaced apart so as to provide a lateral slot to receive an extension on the follower 6 whereby it is supported in its slidable vertical position, as has been more fully set forth in our Patent No. 2,364,912, which issued December 12, 1944.

The container mounting mechanism 5 comprises a gear 18 and rack 19 arrangement. The gear 18 is of the mutilated type and one is fixed on each side or end of a container. A rack 19 is fixed on each side or end of the casing 7. The toothed arrangement of the rack and pinion provides a pivotal relationship of the container on the casing whereby, when the container is shifted between its open and closed positions, it is advanced, or retracted horizontally at the same time that it is being opened and closed. That is, when the container is pulled downwardly to an open position the pair of gears 18 travel along the pair of racks 19 and advance the container outwardly of the casing, so as to make the contents of the container more accessible for handling than would be the case if the container were mounted on a fixed pivot. Likewise, when the container is pushed backwardly the gears 18 retract it horizontally into the casing.

In order to insure the complete closing of the container, and avoid any accidental or inadvertent opening thereof, a resilient member 20 is secured to the casing side 7 or back 8 to engage a flattened portion 21 on the gear 18, when the container is in its closed position.

To check the movement of the container as it approaches its closed position and also to aid in yieldingly holding it in its closed position, a flexible stop 22 is secured on the inner face of the side 7 so that the rear corners of the bottom-back member 14 strike the stop 22 and the container is eased in its approach to position of rest on the supporting abutment 23.

The use and operation of the filing cabinet is believed to be clearly apparent from the foregoing description.

Variations and modifications in the details of the structure and arrangement of the parts may be resorted to within the spirit and coverage of the appended claim.

We claim:

In a filing cabinet, a casing having a vertical

front provided with a rectangular opening therein, a swinging side-filing storage container mounted in said casing and having a rectangular face panel which in normal storage position of the container extends in a vertical plane and serves as a closure for said opening, and connections between said container and casing for controlling the swinging of said container comprising a rack fixed on said casing with its pitch line horizontal and a substantial distance above the lower end of said face panel in its storage position and a gear fixed to said container meshing with said rack and at all times having its axis located above the rack rearwardly of the opening and intermediate the height of the opening, whereby said container is adapted to swing outwardly in said opening through an angle of 90°



to an access position in which said panel extends horizontally through, and across the bottom of, said opening, so as to locate a substantial portion of said container inside of the casing.

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